219/506.000

1/6

437.00 / 1-6

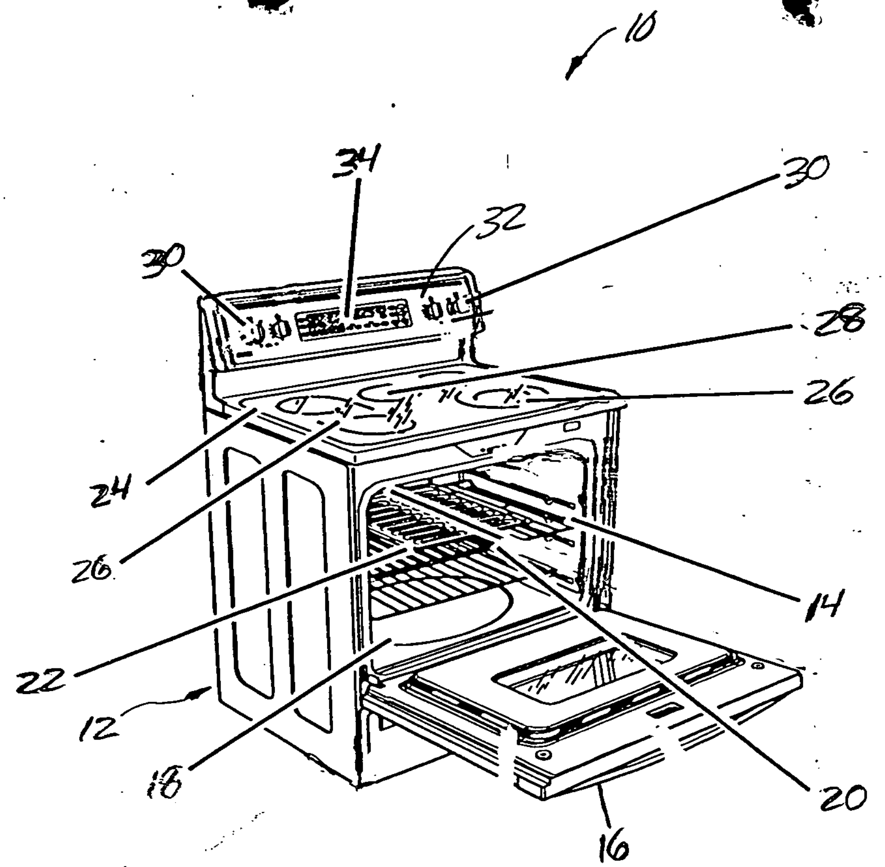

FIG. 1

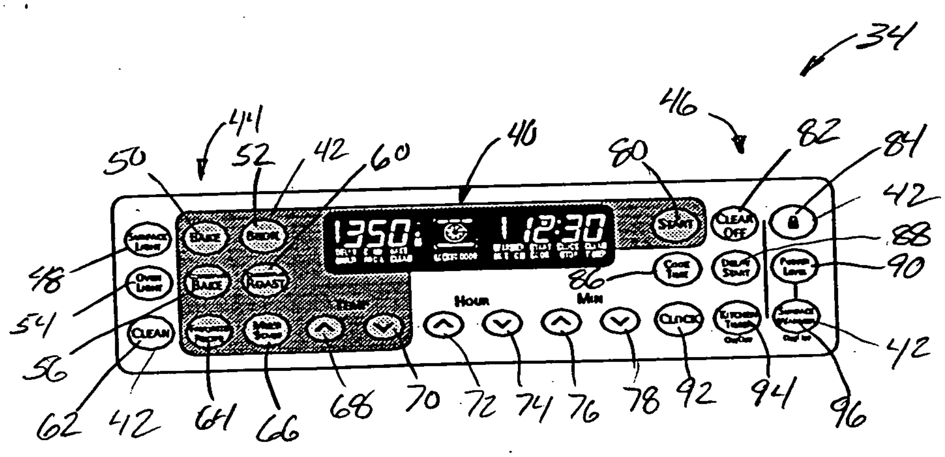

FIG. 2

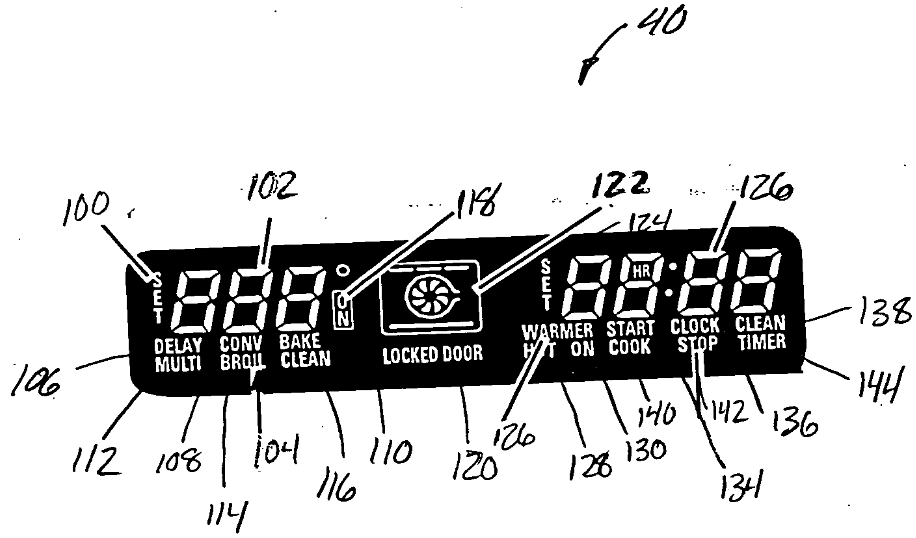
40
100
102
118
122
124
126
SET
HR
SET
ON
DELAY
MULTI
CONV
BROIL
BAKE
CLEAN
LOCKED DOOR
WARMER
HOT
ON
START
COOK
CLOCK
STOP
CLEAN
TIMER
138
106
144
112
108
114
104
116
110
120
126
128
130
140
142
136
134

FIG. 3

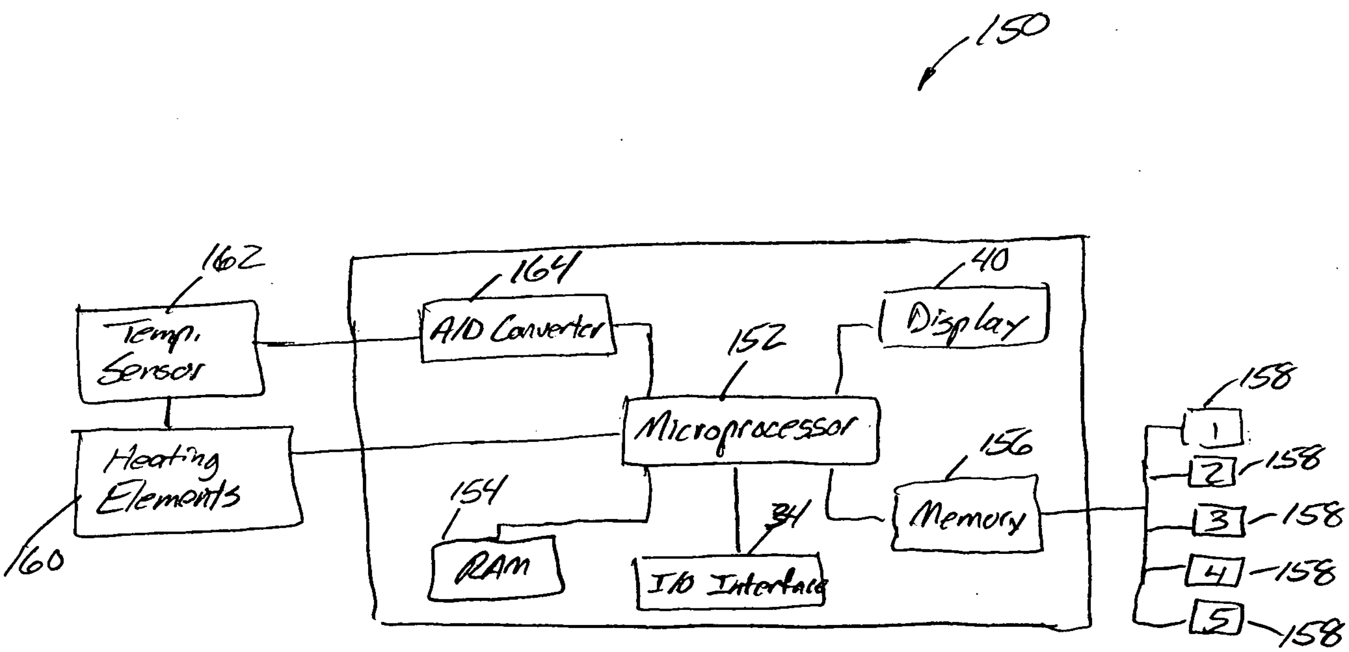
150
162
Temp. Sensor
164
A/D Converter
40
Display
152
Microprocessor
158
1
Heating Elements
156
Memory
2
158
154
34
3
158
RAM
I/O Interface
4
158
160
5
158

Fig. 4

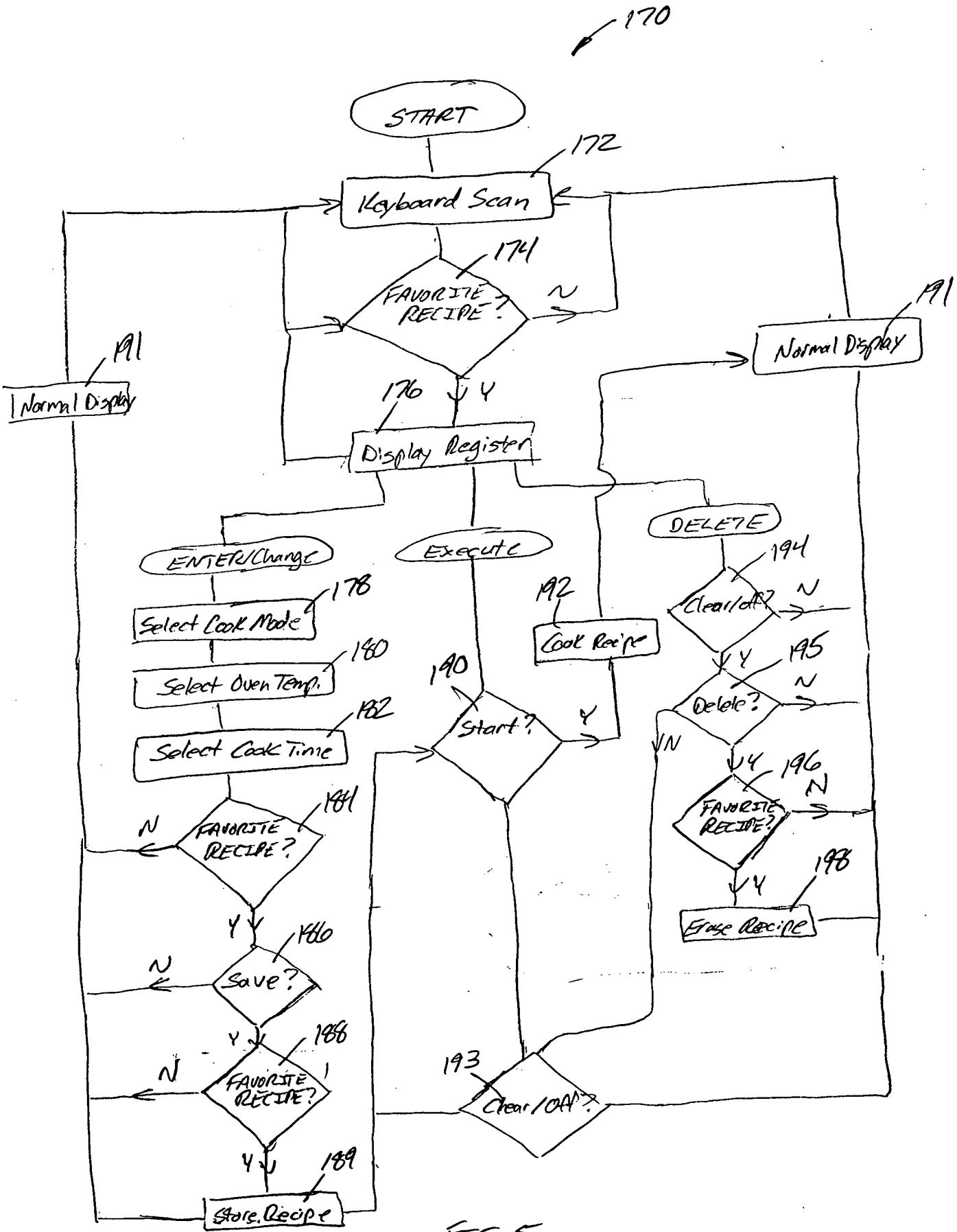
170
START
172
Keyboard Scan
174
FAVORITE RECIPE?
N
Y
176
Display Register
191
Normal Display
191
Normal Display
ENTER/Change
Execute
DELETE
178
Select Cook Mode
180
Select Oven Temp.
182
Select Cook Time
190
Start?
Y
192
Cook Recipe
194
Clear/Off?
N
Y
195
Delete?
N
Y
196
FAVORITE RECIPE?
N
Y
198
Erase Recipe
181
FAVORITE RECIPE?
N
Y
186
Save?
N
Y
186
FAVORITE RECIPE?
N
Y
189
Store Recipe
193
Clear/Off?

FIG. 5

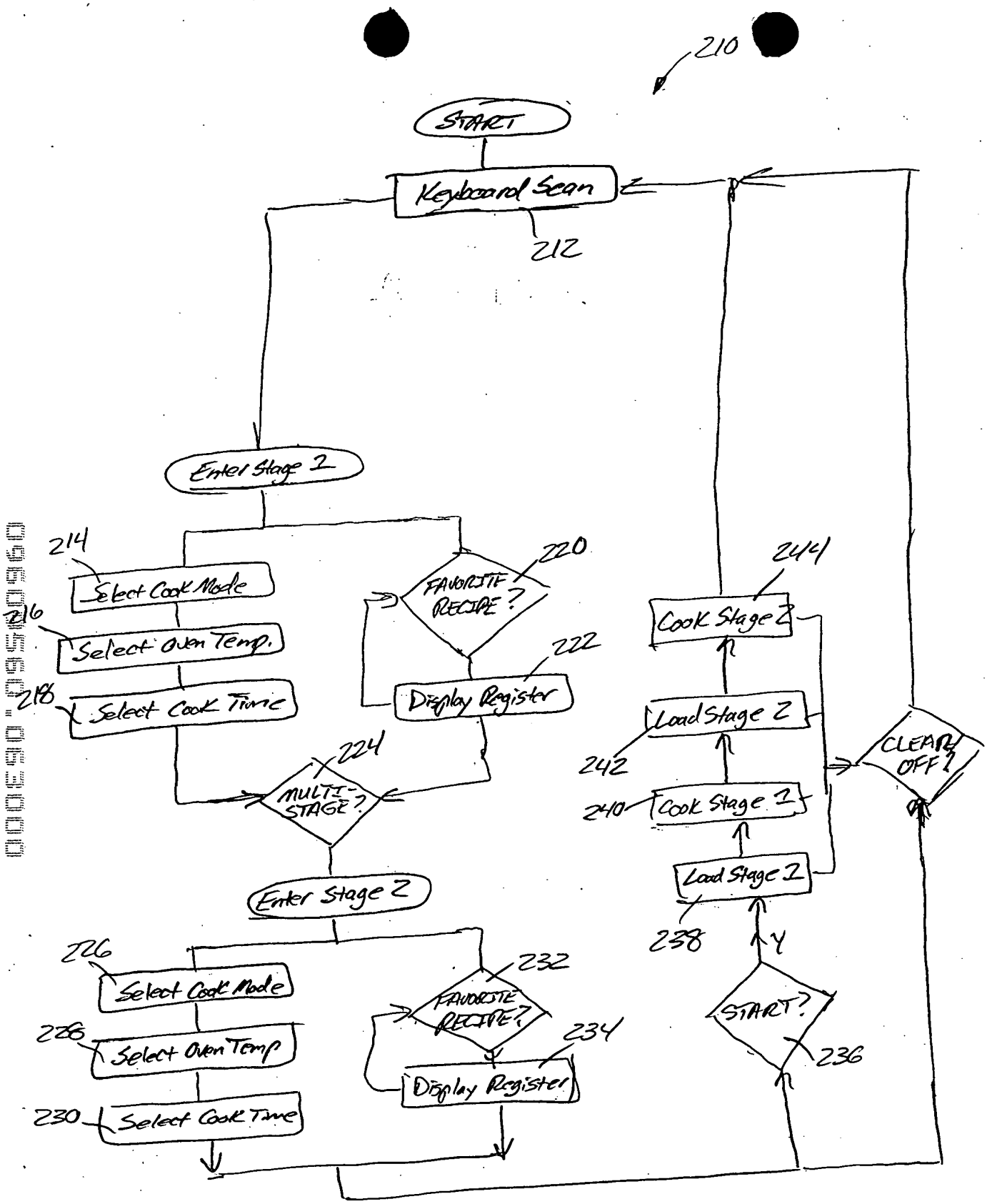
210
START
Keyboard Scan
212
Enter Stage 1
214
Select Cook Mode
216
Select Oven Temp.
218
Select Cook Time
220
FAVORITE RECIPE?
222
Display Register
224
MULTI-STAGE?
Enter Stage 2
226
Select Cook Mode
228
Select Oven Temp
230
Select Cook Time
232
FAVORITE RECIPE?
234
Display Register
236
START?
238
Y
Load Stage 1
240
Cook Stage 1
242
Load Stage 2
244
Cook Stage 2
CLEAR OFF?

FIG. 6

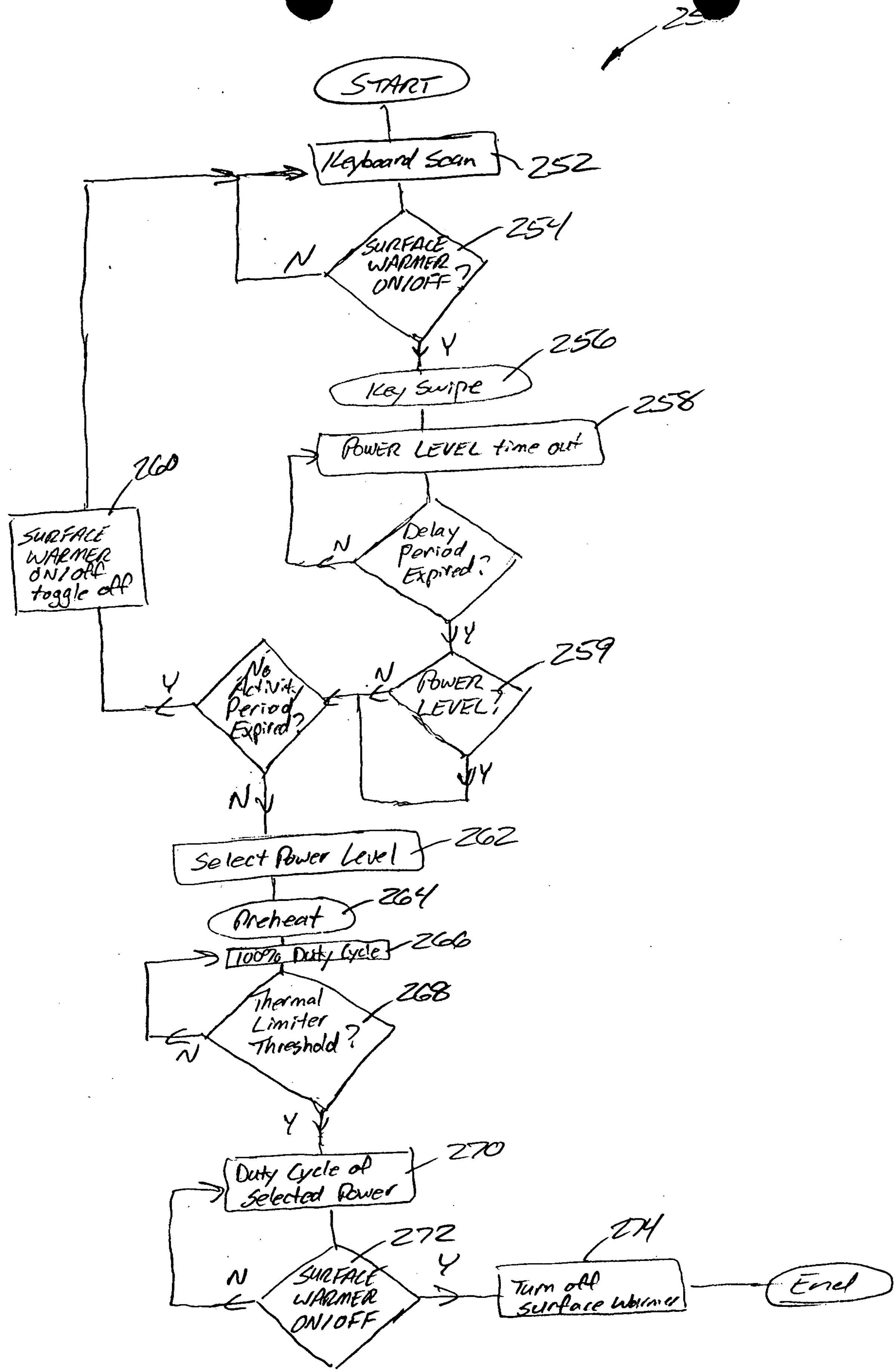

FIG. 7

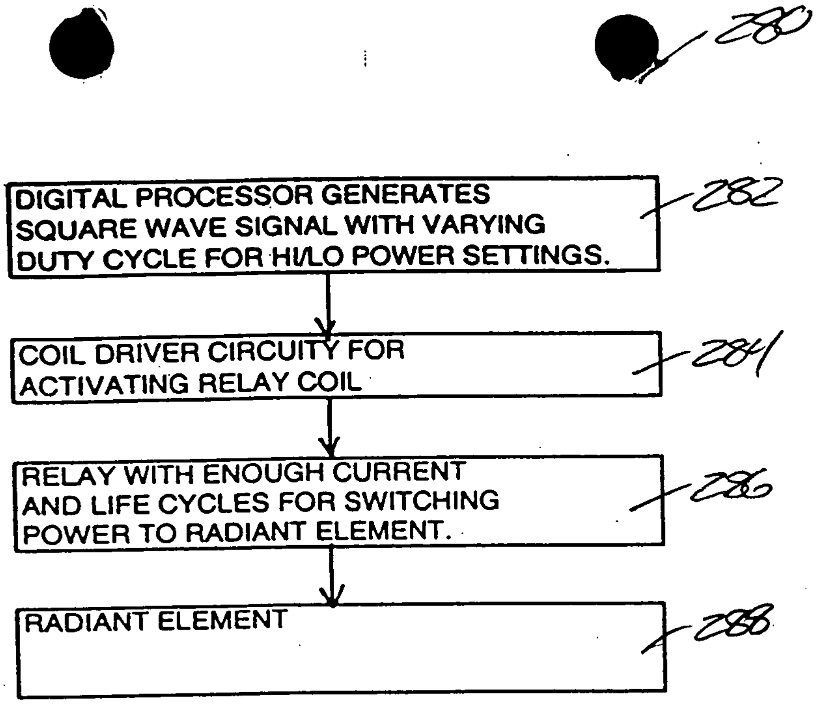
280
DIGITAL PROCESSOR GENERATES SQUARE WAVE SIGNAL WITH VARYING DUTY CYCLE FOR HI/LO POWER SETTINGS.
282
COIL DRIVER CIRCUITY FOR ACTIVATING RELAY COIL
284
RELAY WITH ENOUGH CURRENT AND LIFE CYCLES FOR SWITCHING POWER TO RADIANT ELEMENT.
286
RADIANT ELEMENT
288

FIG. 8

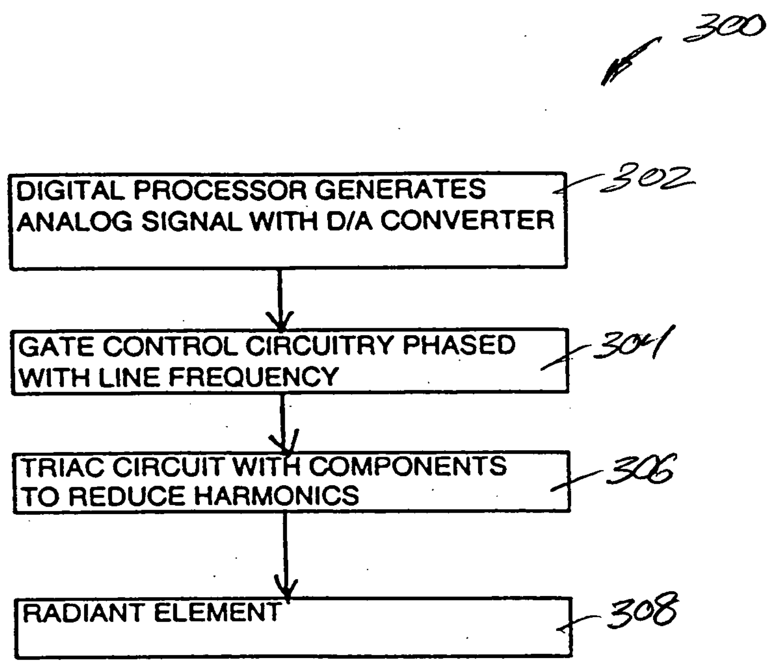
300
DIGITAL PROCESSOR GENERATES ANALOG SIGNAL WITH D/A CONVERTER
302
GATE CONTROL CIRCUITRY PHASED WITH LINE FREQUENCY
304
TRIAC CIRCUIT WITH COMPONENTS TO REDUCE HARMONICS
306
RADIANT ELEMENT
308

FIG. 9